

CLAIMS

1. An electrical terminal, comprising:
an electrically conductive body portion having a lengthwise axis
associated therewith, including
a first region configured to be adhered to and in electrical contact with
5 a second region extending along said axis having a plurality of
apertures therethrough; and
a third region configured for electrical connection to a conductor.
2. The electrical terminal of claim 1, further comprising a fourth region
encapsulated by an electrical insulating material.
3. The electrical terminal of claim 2, wherein said insulating material is a
polyester.
4. The electrical terminal of claim 1, further comprising a tang protruding
from said third region in the direction of said lengthwise axis.
5. The electrical terminal of claim 1, further comprising a first locating
hole and a second locating hole.
6. The electrical terminal of claim 1, wherein said apertures further
comprise L-shaped and I-shaped apertures in a repetitive pattern.
7. The electrical terminal of claim 1, wherein said apertures extend the
length of said terminal.
8. The electrical terminal of claim 6 wherein said pattern further
comprises a plurality of orientations of said L-shape and a horizontal orientation of
said I-shape.

9. An electrical terminal, comprising:
an electrically conductive body portion having a lengthwise axis
associated therewith, including
a first region configured to be adhered to and in electrical contact with
5 a second region extending along said axis having a plurality of apertures therethrough;
and
a third region configured for electrical connection to a conductor,
wherein said third region further comprises a tang protruding from said third region in
the direction of said lengthwise axis.
10. The electrical terminal of claim 9, further comprising a fourth region
encapsulated by an electrical insulating material.
11. The electrical terminal of claim 11, further comprising a first locating
hole and a second locating hole.
12. The electrical terminal of claim 11, wherein said apertures further
comprise L-shaped and I-shaped apertures in a repetitive pattern.
13. The electrical terminal of claim 11, wherein said apertures extend the
length of said terminal.
14. The electrical terminal of claim 15 wherein said pattern further
comprises a plurality of orientations of said L-shape and a horizontal orientation of
said I-shape.

15. A method of electrically connecting at least two conductive elements via an electrical terminal, comprising:

connecting said electrical terminal to an exposed electrically conducting grid of a battery unit, said electrical terminal characterized by an electrically conductive body portion having a lengthwise axis associated therewith, including a first region configured to be adhered to and in electrical contact with a second region extending along said axis having a plurality of apertures therethrough and a third region configured for electrical connection to a conductor, said third region defining a location of connection; and

10 connecting said electrical terminal to a flexible circuit via an electrically conductive flap.

16. The method of claim 15, wherein said electrical terminal further includes a fourth region encapsulated by an electrical insulating material.

17. The method of claim 15, wherein said electrical terminal further includes a tang protruding from said third region in the direction of said lengthwise axis, said terminal connected to said flap via said tang.

18. The method of claim 15, wherein said apertures of said electrical terminal further comprise L-shaped and I-shaped apertures in a repetitive pattern.

19. The method of claim 15, wherein said apertures of said electrical terminal extend the length of said terminal.

20. The method of claim 18, wherein said pattern further comprises a plurality of orientations of said L-shape and a horizontal orientation of said I-shape.